

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

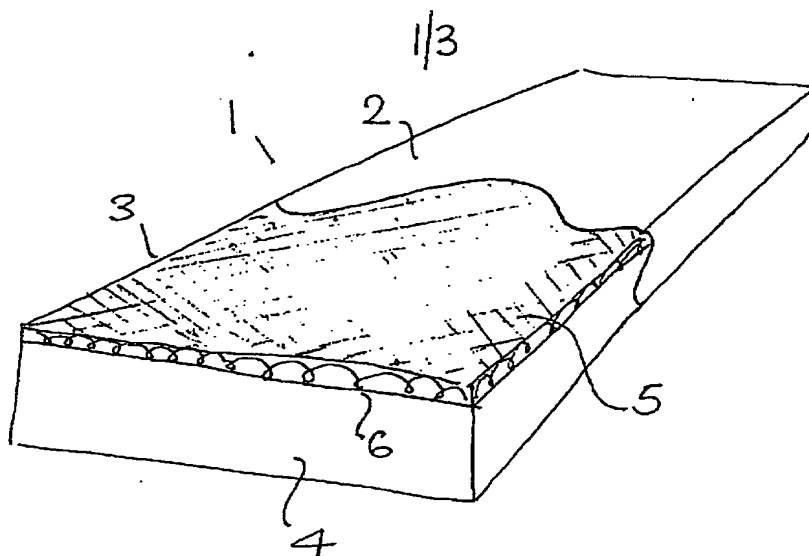
PCT

(10) International Publication Number
WO 2005/046988 A1

- (51) International Patent Classification⁷: **B32B 27/12**, 5/18, 5/08, A47C 27/14 (74) Agents: O'CONNOR, Donal, H. et al.; Cruickshank & Co., 1 Holles Street, Dublin 2 (IE).
- (21) International Application Number: PCT/IE2004/000158 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 12 November 2004 (12.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: S2003/0849 12 November 2003 (12.11.2003) IE
- (71) Applicant (for all designated States except US): LANCASTRIA LIMITED [IE/IE]; 1 Stokes Place, St. Stephens Green, Dublin 2 (IE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): WOOLFSON, David [IE/IE]; 4 Dartmouth Road, Dublin 6 (IE). HACKETT, Padraig [IE/IE]; 101 Old Finglas Road, Dublin 11 (IE).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: LAMINATED BODY SUPPORT ELEMENT



(57) Abstract: A mattress (1), cushion or the like has an outer cover (2) enclosing a resilient core (3). The resilient core (3) is formed by a viscoelastic foam layer (4) with a vapour permeable reinforcing layer (5) of stretchable material laminated onto a top surface (6) of the viscoelastic foam layer (4). The reinforcing layer (5) prevents cracking in the top surface (6) of the viscoelastic foam layer (4) and provides improved heat and moisture dissipation during use. The reinforcing layer (5) is preferably formed by a spaced knitted fabric.

WO 2005/046988 A1

WO 2005/046988 A1



Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.